

Title (en)

Procedure for the treatment of small volumes with electric current

Title (de)

Verfahren zur Behandlung geringer Volumina mit elektrischem Strom

Title (fr)

Procédure de traitement de faibles volumes avec l'électricité électrique

Publication

**EP 1741778 A1 20070110 (DE)**

Application

**EP 05014758 A 20050707**

Priority

EP 05014758 A 20050707

Abstract (en)

In the electric current treatment of biological material (I) by taking up (I) in buffer solution of ionic strength at least 100 mM and generating an electric field of strength at least 1 kV/cm for a predetermined period of at least 10  $\mu$ s by potential impulse(s) (PI's), the buffer volume is at most 50  $\mu$ l, the PI is interrupted at least once for a period of at least 100  $\mu$ s and the PI's are continued sufficiently often to reach the predetermined PI duration.

IPC 8 full level

**C12N 13/00** (2006.01); **C12N 15/87** (2006.01)

CPC (source: EP KR US)

**A61N 1/0412** (2013.01 - EP US); **A61N 1/327** (2013.01 - EP US); **C12M 1/42** (2013.01 - KR); **C12N 13/00** (2013.01 - KR); **C12N 15/87** (2013.01 - EP US)

Citation (applicant)

- WO 0200871 A2 20020103 - AMAXA GMBH [DE], et al
- WO 02086134 A2 20021031 - AMAXA GMBH [DE], et al

Citation (search report)

- [Y] WO 2004110371 A2 20041223 - UNIV SOUTH FLORIDA [US], et al
- [Y] US 5869326 A 19990209 - HOFMANN GUENTER A [US]
- [DY] US 2005064596 A1 20050324 - RIEMEN GUDULA [DE], et al
- [DA] US 2004014220 A1 20040122 - SIEBENKOTTEN GREGOR [DE], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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